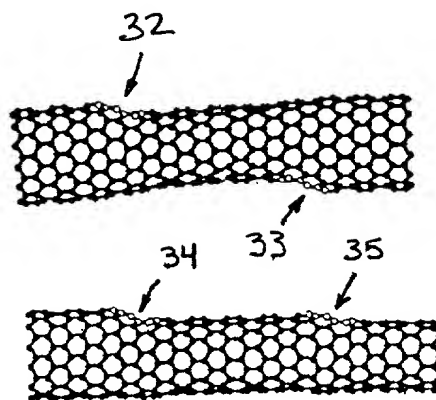


Figure 1



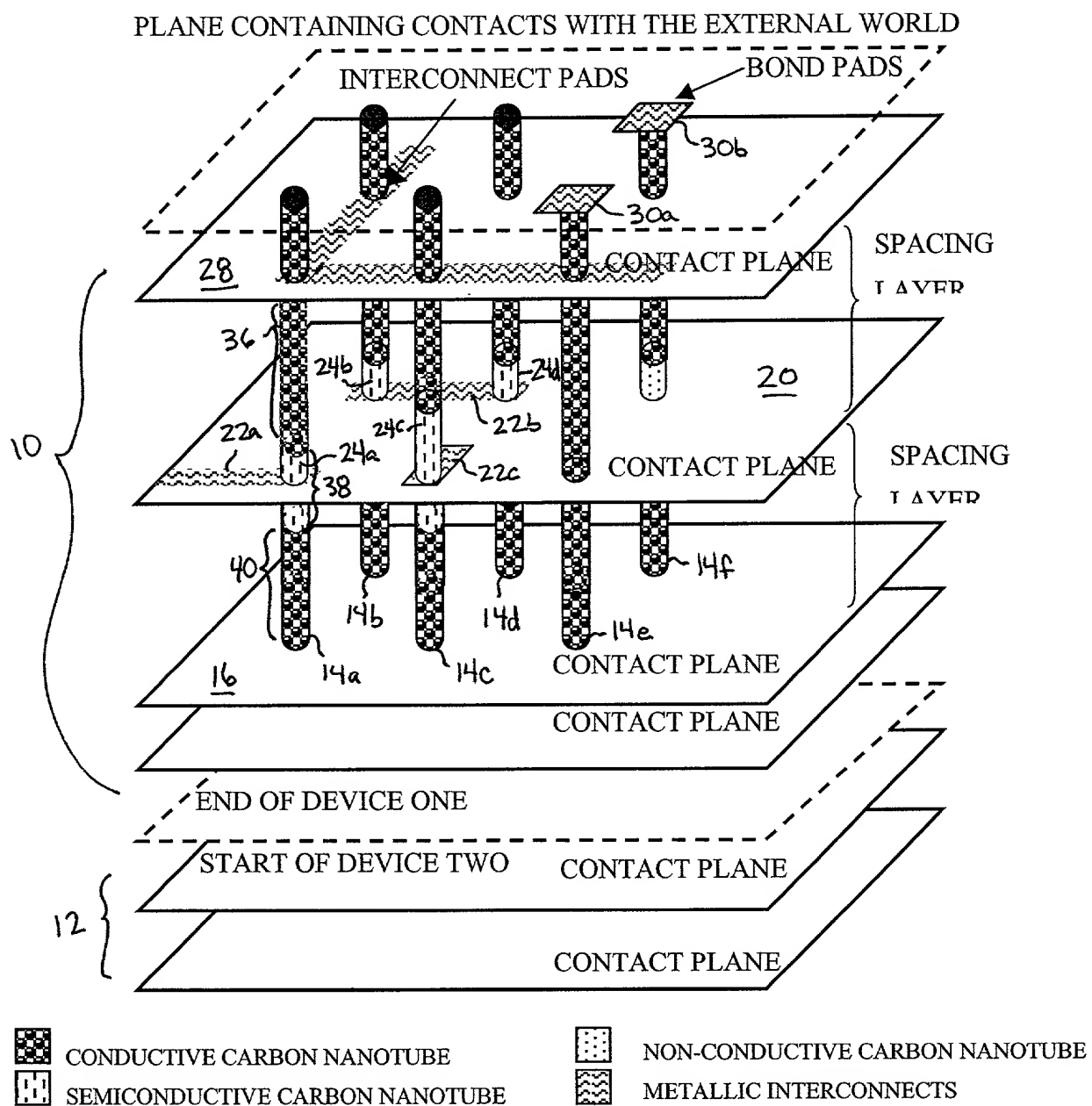


Figure 2

FABRICATION/SYNTHESIS PROCESSES AND DESIGN ARCHITECTURE

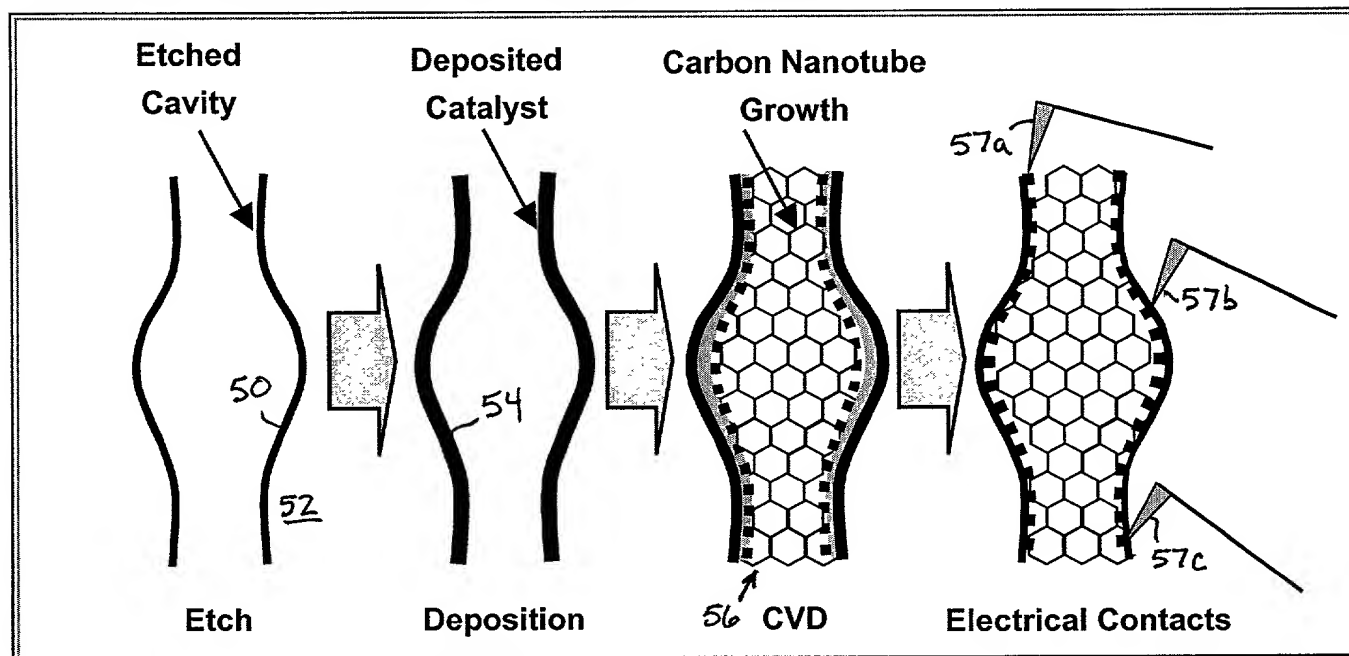


Figure 3

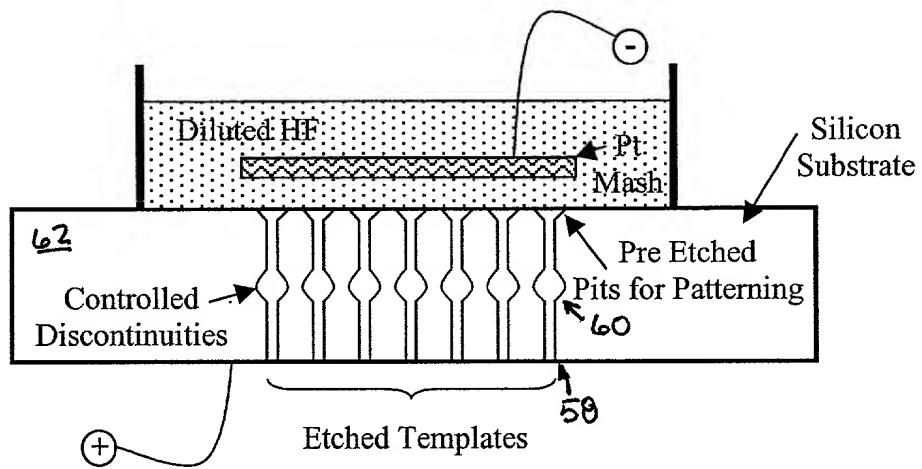


Figure 4

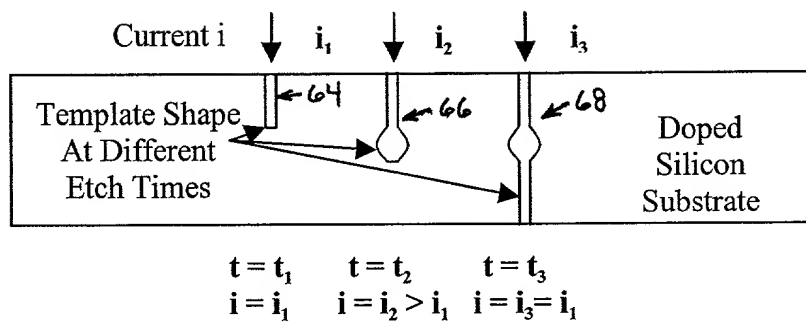


Figure 5

Figure 6 shows five diagrams (A, B, C, D, E) illustrating the cross-sections of a structure with a central void. The diagrams show the progression of the void's shape and position as a parameter (likely time or distance) changes. The structure is defined by two vertical boundaries, and the central void is filled with a stippled pattern. The diagrams show the void's shape evolving from a simple rectangular shape (A) to a more complex, elongated shape (E).

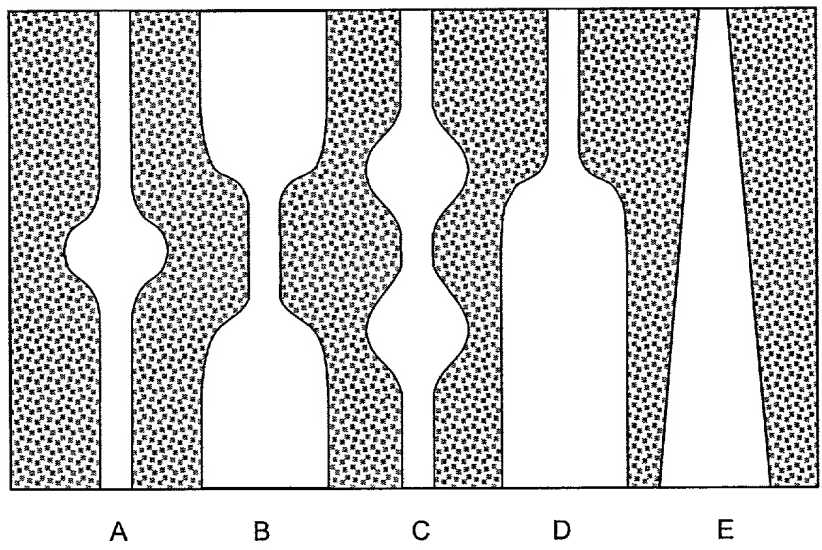
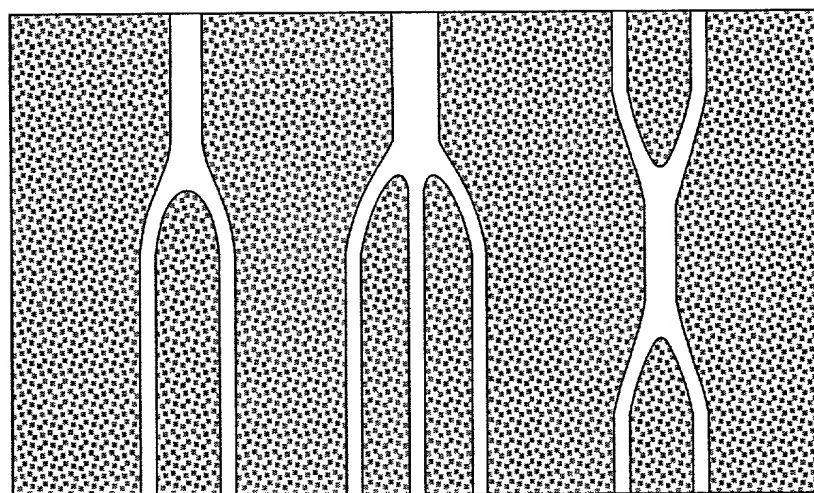


Figure 6



A

B

C

Figure 7

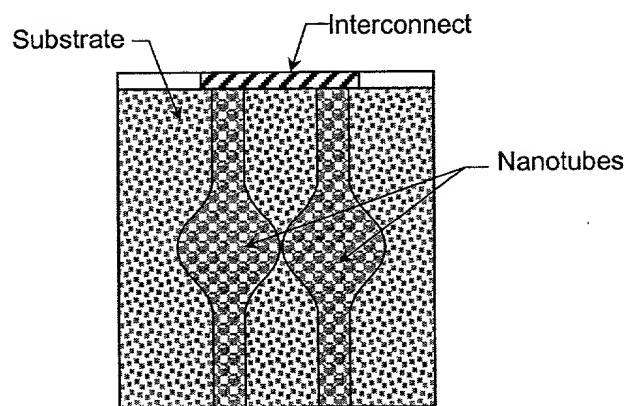


Figure 8

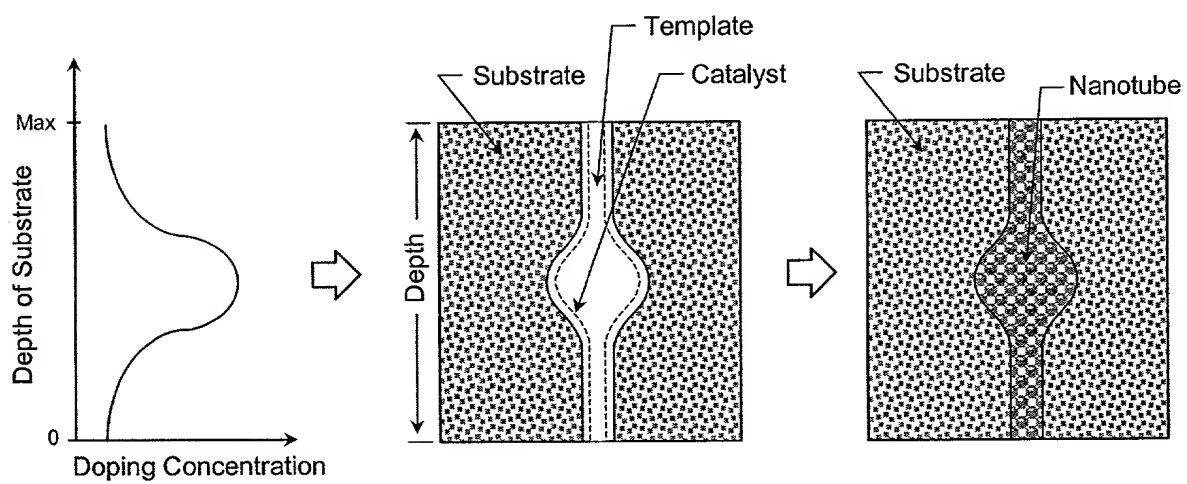


Figure 9

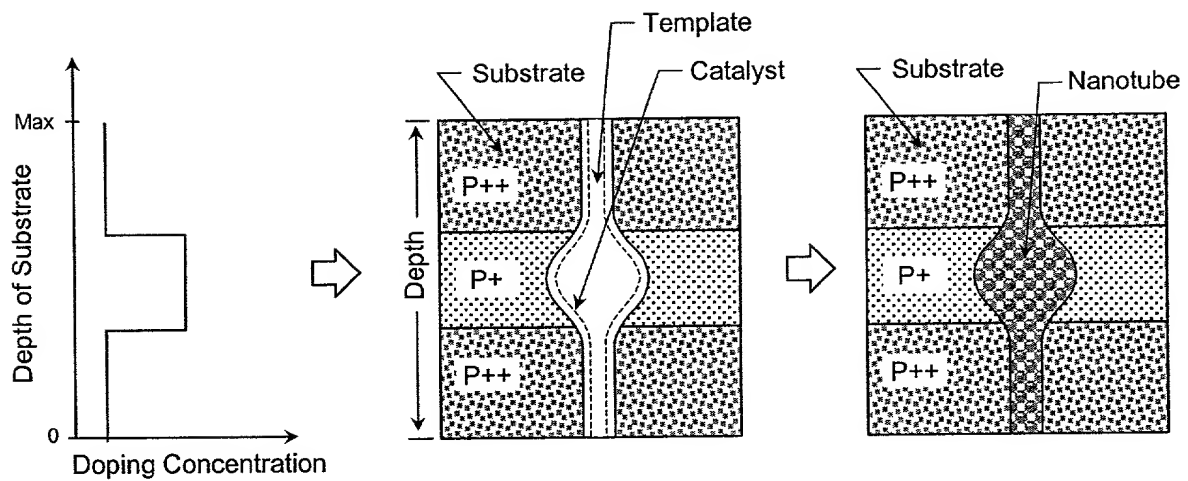


Figure 10

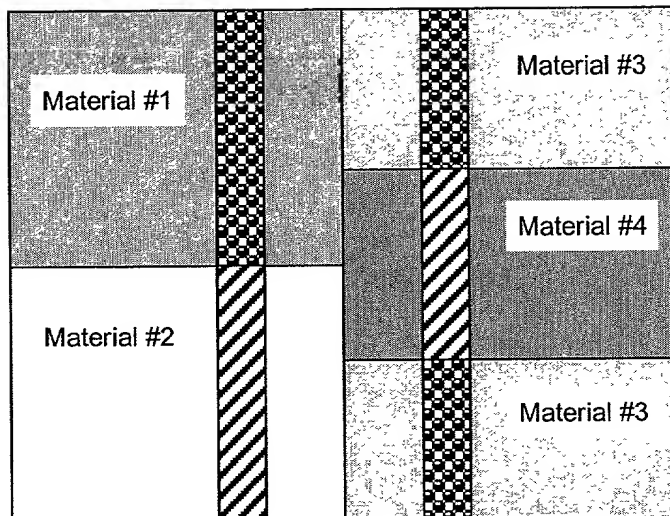


Figure 11

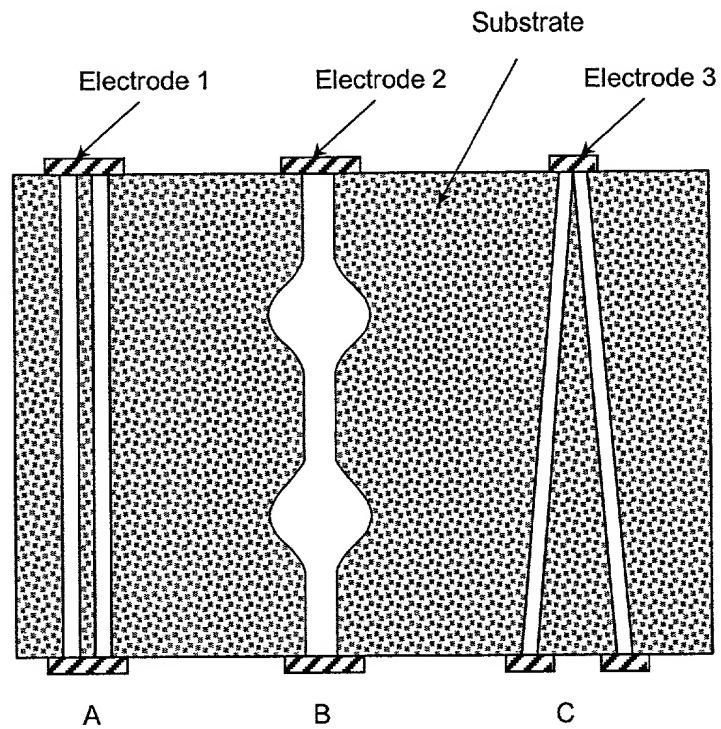


Figure 12

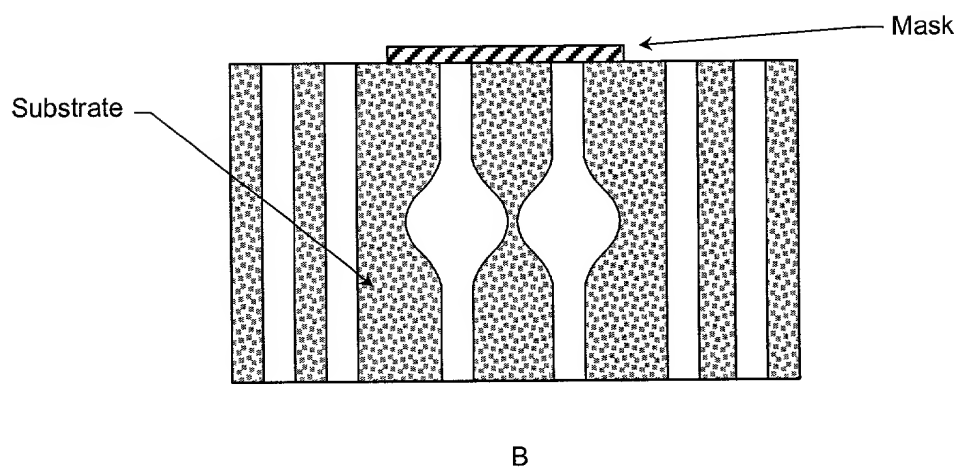
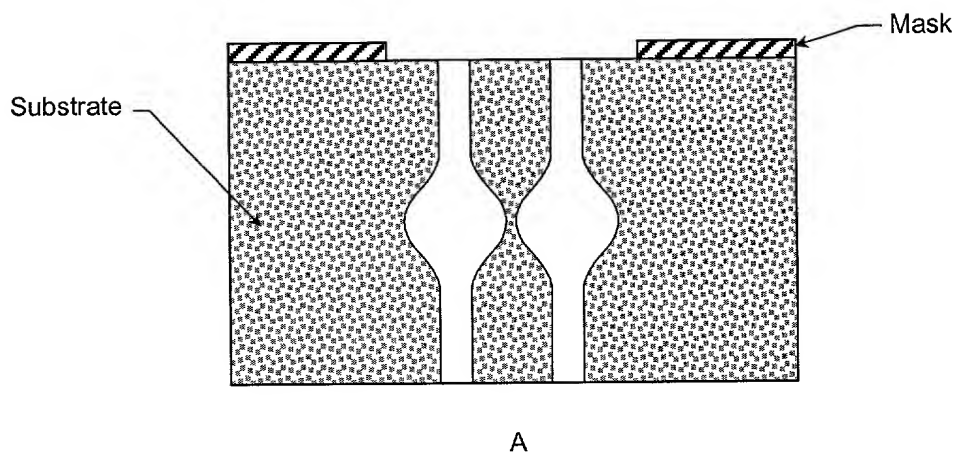


Figure 13